ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
ER REGULATORY CONTACT RECORD

Date/Time:	March 19, 2004 / 3:30PM
Site Contact(s): **Phone:**	Mike Bemski 303-966-4090
Regulatory Contact: **Phone:**	David Kruchek 303-692-3328
Agency:	CDPHE
Purpose of Contact:	Final disposition of the 782 Tunnel

Discussion

The purpose of this ER Contact Record is to confirm that the 700-7 (779) has approval from the CDPHE for the disposition of the 782 Tunnel as follows:

Radiological characterization of the sump at the northeast corner of the tunnel has been completed and no radiological contamination was found. Both field instruments and swipes collected, dried, and analyzed and showed no radiological contamination. A sample was collected of the sediment at the bottom of the sump and has been sent for analysis.

The dimensions of the sump in the northeast corner of the tunnel are now known to be a 36-inch square at the top and 37.5 inches from the floor of the tunnel to the bottom of the sump. The distance from the top of the wall of the tunnel to the floor of the tunnel is 16.5 feet. So the distance from the top of the wall of the tunnel to the bottom of the sump is approximately 19.5 feet. The thickness of concrete beneath the sump is believed to be one foot. So the distance from the top of the wall to bottom of the concrete beneath the sump is approximately 20.5 feet. The dirt surface at the top of the tunnel wall near the northeast corner is about even with the top of the tunnel wall.

As the sump is too deep to place the core drilling machine, the method of characterization of sediment beneath the sump will be by Geoprobe. The Geoprobe will be placed within two feet of the outside (on the surface soil) of the east side of the tunnel, and in-line to the west with the center of the sump (roughly 1.5 feet from the northeast corner of tunnel). The Geoprobe hole will be punched to 18.5 below the top of the tunnel wall. A two-foot thick interval will be collected from 18.5 to 20.5 and analyzed for 700-7 contaminants of concern. A second two-foot thick interval from 20.5 to 22.5 feet will also be collected and analyzed. Per the dimensions now known, these intervals should provide a good substitute for the data we could not collect in the sump itself.

Following the collection of the sample, the upper five feet of the tunnel will be broken and allowed to collapse within the tunnel space. Flow-fill concrete will then be poured into the tunnel and allowed to set up and will act as the support for clean soil backfill that will be placed on top of the concrete to the level required by the final grade.

Contact Record Prepared By: Mike Bemski

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